

**REMARKS**

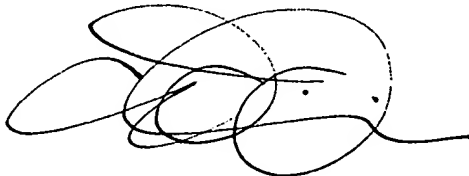
Applicant elects the species of Figure 5, which claims 1-3, 5-8, 16-19, 21-23, 28, 37, 50, 51, 55, 57-59, 63, 64, 111, 114, 116, 127, 131-137, 139, 152, and 155-158 are believed to read on. An amendment is also made to claim 55, claim 56 is cancelled, and the dependency of claims 57-59 is adjusted.

With respect to claims 37-38, Applicant confirms that both remain in the application.

Since the Examiner failed to set a period for responding in the Office Action, it is believed that this submission is timely. However, if for some reason the Examiner disagrees, the Applicant hereby petitions for a two month extension of time and authorizes the Examiner to debit any fees required from Deposit Account 11-0978.

Respectfully submitted,

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VERSION SHOWING CHANGES MADE

Please amend claim 55 as follows:

55. (Amended) A system for pumping or mixing a fluid in a vessel positioned on a stable support structure, comprising:

a magnetic pumping or mixing element for placement in the vessel;

at least one superconducting element for levitating said magnetic pumping or mixing element;

a wall defining a chamber for thermally isolating the superconducting element from the vessel;

a cooling source thermally linked to said superconducting element in said chamber; and

a motive device for rotating said superconducting element and said wall together.

Please cancel claim 56.

Please amend claim 57 as follows:

57. (Amended) The system for pumping or mixing a fluid according to claim [56] ~~56~~ 55, wherein a thermal link to said cooling source extends at least partially through said chamber and directly supports the superconducting element, said wall defining said chamber is supported by a bearing permitting rotational motion, said motive device is a motor coupled to said chamber by an endless belt, and said endless belt transfers the rotary motion produced

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by said motor to said wall and said thermal link to rotate the superconducting element.

Please amend claim 58 as follows:

58. (Amended) The system for pumping or mixing a fluid according to claim [56] 55, wherein said cooling source contains a liquid cryogen and is attached to and rotates with said wall and chamber.

Please amend claim 59 as follows:

59. (Amended) The system for pumping or mixing a fluid according to claim [56] 55, wherein said chamber housing said superconducting element is positioned below said magnetic pumping or mixing element in said vessel.